Use Attainability Analysis

for

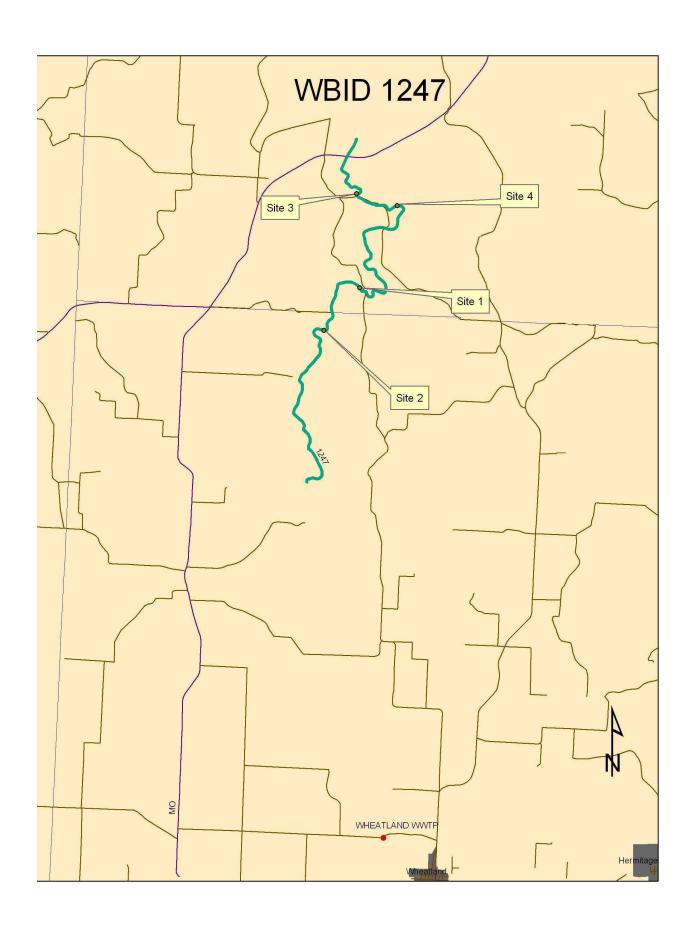
WBID 1247 Little Pomme De Terre

Submitted by SES, Inc.

To Missouri Department of Natural Resources Water Protection Program

Date Received: September 10, 2007

	F				on Use Stre ody Identific		ys	
					g surveyed)			
Water Boo	dy Informa	tion						
Water Bod	y Name:	Little Pomi	me de Terre	9	WBID:	1247		
8 digit HUC	code:	10290107			County:	Benton an	d Hickory	
						2 0111011 0111		
Upstream I	_egal Desc	ription	T39N	R23W	Sec 26			
Downstrea	m Legal De	escription	T38N	R23W	Sec 22			
Number of	Sitos Evalu	untad	4					
Number of	Sites Evait	Jaieu	4					
List all site	numbers,	listed upstr	eam to dov	vnstream				
2,	1,	4,	3					
,	,	,						
Discharge	r Facility	। Informatio	n					
Diagharaar	Eggility No	amo(a):	Wheatland	L VA/VA/TD				
Discharger	Facility Na	ame(s).	vvneatiand	IVVVVIP				
Discharger	Permit Nu	mber(s):	MO009899	90				
UAA Surv	evor							
Name of S	urveyor:	Gilisa Gou	ld		Telephone	Number:	913-307-00	46
Organizatio	on/Employe	er: SES, In	C.					
Position:	Field Team	n Leader						



	Field Data Sheets for Data Sheet	B - Site Char	racteriza	tion	
	(must be d	completed for	r each si	te)	
W/DID 1	047				
WBID 12	247				
Olto II	•				
Date and Time:	8/21/2007	1:00 PM			
Current Weather 0	Conditions	clear			
Weather Condition	ns for Past 10 days:	0.3 inches v	was maxi	mum rainfal	
Drought Condition	s? No				
Site Location (e.g.	road crossing)	County Roa	d SW 80) <u>1</u>	
GPS Mark:	45				
Upstream Photo	32	Downstrean	n Photo	31	
Uses Observed (I	Uses actually observed	d at time of s	urvey) Ci	ircle	
	01: 5::				
Swimming	Skin Diving	SCUBA divi	ng	Tubing	
Water Skiing	Wind Surfing	Kayaking		Boating	
Wading	Rafting	Hunting		Trapping	
Fishing	None of the Above	· (Other		
Surrounding Cor	nditions				
City/county parks	Playgrounds	MDC conse	rvation la	nds	Urban areas
Campgrounds	Boating accesses	State parks		National F	orests
Nature trails	Stairs/walkway	No trespass	sign	Fence	
Steep slopes	None of the Above		Other		
отоор отороо	None of the Albert		J. 1101		
Indications of Hu	ıman Use				
Roads	Rope swings	Foot paths/	prints	Dock/platf	orm
Livestock Waterin	g RV/ATV Tracks	Camping Si	tes	Fire pit/rin	g
NPDES Discharge	Fishing Tackle	Other:			

WBID#	1247		Site #	1					
Mark #	45		Dissolved	Oxygen (ı	ppm)	7.2			
Jpstream	Views Ph	ysical Dim				present at this	s view?	У	
				If so, is the	ere an ob	vious current?)	n	
Select on		llowing ch		tures:					
	% of Chan	nel Feature							
Riffle		0							
Run		0							
Pool		100							
Downstre	am View's	Physical [Dimension	Is there an	ıy water p	resent at this	view?	n	
						<u> </u>			
				It so, is the	ere an ob	vious current?	•		
						<u> </u>			
<u> </u>									
Substrate:									
		EE0/ C	1	40/ Cond		0/ 0:14			
	е	55% Grave	<u> </u>	4% Sand		% Silt			
41% Cobbl				4% Sand		% Silt			
41% Cobbl		55% Grave		4% Sand		% Silt			
Substrate: 41% Cobbl % Mud/Cla	ay	% Bedrock	<u> </u>		r algal g		2550558	ont sito)	
41% Cobbl % Mud/Cla	ay	% Bedrock	<u> </u>		r algal g	% Silt	a sse ssm	ent site)	
41% Cobbl % Mud/Cla	ay	% Bedrock	<u> </u>		r algal g		a sse ssm	ent site)	
41% Cobbl % Mud/Cla	ay	% Bedrock	<u> </u>		r algal g		a sse ssm	ent site)	
41% Cobbl % Mud/Cla	ay	% Bedrock	<u> </u>		r algal g		a sse ssm	ent site)	
41% Cobbl % Mud/Cla	ay	% Bedrock	<u> </u>		r algal g		a sse ssm	ent site)	
41% Cobbl % Mud/Cla	ay	% Bedrock	<u> </u>		r algal g		a sse ssm	ent site)	
41% Cobbl % Mud/Cla	ay	% Bedrock	ount of ve	getation o		rowth at the	a sse ssm	ent site)	
41% Cobbl % Mud/Cla	ay	% Bedrock	ount of ve			rowth at the	a sse ssm	ent site)	
41% Cobbl % Mud/Cla	egetation:	% Bedrock	ount of ve	getation o		rowth at the	a sse ssm	ent site)	
41% Cobbl % Mud/Cla	ay	% Bedrock	ount of ve	getation o		rowth at the	a sse ssm	ent site)	
41% Cobbl % Mud/Cla Aquatic V	egetation:	% Bedrock	ount of veg	getation or	coontail.	rowth at the	a sse ssm	ent site)	
41% Cobbl % Mud/Cla Aquatic V	egetation:	% Bedrock	ount of ve	getation o	coontail.	rowth at the	a sse ssm	ent site)	
41% Cobbl % Mud/Cla Aquatic V Water Cha	egetation:	% Bedrock (Note amo	15% wa	getation or	coontail.	rowth at the		ent site)	
41% Cobbl % Mud/Cla Aquatic V Water Cha	egetation:	% Bedrock	ount of veg	getation or	coontail.	rowth at the	assessmo	ent site)	
41% Cobble % Mud/Cla Aquatic Verification Water Chae Odor Color	egetation:	% Bedrock (Note amo	15% wa	getation or ater lily and Chemical Gray	coontail. None Milky	Other		ent site)	
41% Cobbl % Mud/Cla	egetation:	% Bedrock (Note amo	15% wa	getation or	coontail. None Milky	rowth at the		ent site)	
41% Cobble % Mud/Cla Aquatic Vo Water Cha Odor Color Bottom De	egetation:	% Bedrock (Note amo	15% was Musky Green Solids	etation or exter lily and Chemical Gray Fine Sed.	coontail. None Milky None	Other Other Other		ent site)	
Mud/Cla Mud/Cla Aquatic V Water Cha Odor Color	egetation:	% Bedrock (Note amo	15% wa	getation or ater lily and Chemical Gray	coontail. None Milky	Other		ent site)	

	(Medi	an Depth Shown in I	Bold)			
Site # 1	(Mark # 45		WBID # 1247		
	Depth (m)		Depth (m)		Depth (m)	
Transect 1	0.05	Transect 5	0.10	Transect 9	0.10	
Substrate:	0.30	Substrate:	0.30		0.40	
gravel	0.35	cobbley gravel	0.65	cobbley gravel	0.40	
Water Clarity:	0.35	Water Clarity:	0.75	Water Clarity:	0.40	
some	0.30	some	0.75		0.35	
Channel Feature:	0.25	Channel Feature:	0.70		0.30	
pool	0.20	pool	0.65		0.20	
Channel Width:	0.15	Channel Width:	0.50		0.15	
7.00	0.10	10.00	0.40		0.15	
0.23	0.10	0.58	0.20	0.25	0.15	
Transect 2	0.05	Transect 6	0.10	Transect 10	0.20	
Substrate:	0.15	Substrate:	0.30		0.30	
cobbley gravel	0.15	cobbley gravel	0.60		0.30	
Water Clarity:	0.55	Water Clarity:	0.50	, ,	0.60	
some	0.65	some	0.40	,	0.50	
Channel Feature:	0.65	Channel Feature:	0.40		0.35	
pool	0.55	pool	0.35		0.25	
Channel Width:	0.50	Channel Width:	0.35		0.25	
9.00	0.30	8.00	0.20		0.20	
0.43	0.30	0.33	0.20		0.20	
Transect 3	0.13	Transect 7	0.10		0.00	
Substrate:	0.20	Substrate:	0.10	Substrate:	0.00	
gravelly sand	0.50	cobbley gravel	0.20		0.10	
Water Clarity:	0.50	Water Clarity:	0.40		0.10	
,	0.60		0.45		0.10	
Some Channel Feature:	0.80	some Channel Feature:	0.45	some Channel Feature:	0.10	
	0.75		0.45		0.05	
pool		pool				
Channel Width:	0.85	Channel Width:	0.30		0.00	
12.00 0.50	0.50 0.30	7.00 0.28	0.20		0.00	
					0.00	
Transect 4	0.25	Transect 8	0.05			
Substrate:	0.30				Sito Madian	Sito Marrian
cobbley gravel	0.35 0.50	cobbley gravel	0.45		Site Median	Site Maximum
Water Clarity:		Water Clarity:	0.40		0.30	0.85
Some	0.65	some	0.50			
Channel Feature:	0.75	Channel Feature:	0.50			
pool	0.75	pool	0.30			
Channel Width:	0.75		0.30			
10.00	0.50		0.20			
0.50	0.25	0.30	0.05			

		Data Sheet				
		(must be c	ompleted fo	or each si	te)	
WBID	1247					
Site #	1247					
Oito II						
Date and T	īme:	8/21/2007	2:44 PM			
Current We	eather Cond	ditions	clear			
Weather C	onditions fo	or Past 10 days:	0.3 inches	was maxi	mum rainfal	
Drought Co	anditions?	No				
Drought Co	mailions?	INO				
Site Locati	on (e.g. roa	ad crossing)	upstream	of site #1		
GPS Mark	:	46				
Upstream I	Photo	33	Downstrea	m Photo	34	
Opotrodin i	Hoto	00	Downstree		01	
Uses Obse	rved (Use	s actually observed	at time of	survey) Ci	rcle	
Swimming		Skin Diving	SCUBA di	vina	Tubing	
Swiiiiiiiig		Skiii Divilig	SCODA UI	virig	rubing	
Water Skii	ng	Wind Surfing	Kayaking		Boating	
Wading		Rafting	Hunting		Trapping	
Fishing		None of the Above		Othor		
Fishing		None of the Above		Other		
Surroundi	ng Condit	ions				
0:1 / 1			MDO	(: 1		
City/county	/ parks	Playgrounds	MDC cons	ervation ia	inas	Urban areas
Campgrour	nds	Boating accesses	State park	S	National F	orests
Nature trail	S	Stairs/walkway	No trespas	ss sign	Fence	
Steep slop	es	None of the Above		Other		
Indication	s of Huma	n Use				
Roads		Rope swings	Foot paths	/nrints	Dock/platf	orm
		. topo ownigo	1 COL PAUL	,, pinito	Doon, plati	
	Matarina	RV/ATV Tracks	Camping S	Sites	Fire pit/rin	g
Livestock	vvalering					
Livestock Pic #35 NPDES Di		Fishing Tackle	Other:			

WBID#	1247		Site #	2				
Mark #	46		Dissolved	Oxygen (ppm)	8.7		
Upstream	Views Phy	ysical Dim	ensions:	Is there a	ny water i	oresent at thi	s view?	у
				If so, is the	ere an ob	vious current	?	n
Select on	e of the fo	llowing ch	annel feat	ures:				
	% of Chan	nel Feature						
Riffle								
Run		91						
Pool		9						
Downstrea	am View's	Physical [Dimension	Is there an	y water p	resent at this	s view?	у
				If so, is the	ere an ob	vious current	?	n
Substrate:								
82% Cobb	le	9% Gravel		% Sand		% Silt		
82% Cobb	le	9% Gravel		% Sand		% Silt		
82% Cobb		9% Gravel 9% Bedroo	:k	% Sand		% Silt		
			:k	% Sand		% Silt		
% Mud/Cla	ay	9% Bedroo			r algal gı	% Silt	assessme	nt site)
% Mud/Cla	ay	9% Bedroo			r algal gı		asse ssme	nt site)
% Mud/Cla	ay	9% Bedroo			r algal gı		a sse ssme	nt site)
% Mud/Cla	ay	9% Bedroo			r algal gı		a sse ssme	nt site)
% Mud/Cla	ay	9% Bedroo			r algal gı		assessme	nt site)
% Mud/Cla	ay	9% Bedroo			r algal gı		assessme	nt site)
% Mud/Cla	ay	9% Bedroo			r algal gı		a sse ssme	nt site)
% Mud/Cla	ay	9% Bedroo		getation o		owth at the	a sse ssme	nt site)
% Mud/Cla	ay egetation:	9% Bedroo	ount of veg	getation o		owth at the	a sse ssme	nt site)
% Mud/Cla	ау	9% Bedroo	ount of veg	getation o		owth at the	a sse ssme	nt site)
% Mud/Cla Aquatic V	ay egetation:	9% Bedroo	ount of veg	getation or		rowth at the	a sse ssme	nt site)
% Mud/Cla	ay egetation:	9% Bedroo	ount of veg	getation o		owth at the	a sse ssme	nt site)
% Mud/Cla Aquatic V	ay egetation:	9% Bedroo	ount of veg	getation or	5% coon	rowth at the	asse ssme	nt site)
% Mud/Cla Aquatic V	ay egetation:	9% Bedroo	ount of veg	getation or	5% coon	rowth at the	assessme	nt site)
% Mud/Cla Aquatic V Water Cha	ay egetation:	9% Bedroo (Note amo	50% small	willow and	5% coon	tail Other	asse ssme	nt site)
% Mud/Cla Aquatic V Water Cha	egetation:	9% Bedroo (Note amo	50% small	willow and	5% coon	tail Other	asse ssme	nt site)
% Mud/Cla Aquatic V Water Cha Odor Color Bottom De	egetation: aracteristic	9% Bedroo (Note amo	50% small Musky Green	willow and Chemical Gray	5% coon None Milky	tail Other	asse ssme	nt site)
% Mud/Cla Aquatic V Water Cha Odor Color	egetation: aracteristic	9% Bedroo (Note amo	50% small Musky Green	willow and Chemical Gray	5% coon None Milky	tail Other	asse ssme	nt site)
% Mud/Cla Aquatic V Water Cha Odor Color Bottom De	egetation: aracteristic	9% Bedroo (Note amo	50% small Musky Green Solids	willow and Chemical Gray Fine Sed.	5% coon None Milky None	tail Other Other	asse ssme	nt site)

		cross-Sectional Dept		s (ioi estillation of ii	ledian depth)	
Site # 2	(IVIECII	an Depth Shown in Mark # 46	DOIQ)	WBID # 1247		
SILE # Z		IVIAIK # 40		VVDID# 1241		
	Depth (m)		Depth (m)		Depth (m)	
Transect 1	0.05	Transect 5	0.05	Transect 9	0.05	
Substrate:	0.40	Substrate:	0.20		0.20	
cobble	0.45	cobble	0.20		0.25	
Water Clarity:	0.50	Water Clarity:	0.20		0.25	
clear	0.45	clear	0.30		0.25	
Channel Feature:	0.40	Channel Feature:	0.20		0.30	
run	0.15	run	0.15		0.30	
Channel Width:	0.15	Channel Width:	0.15		0.30	
5.00	0.05	6.00	0.05		0.25	
0.28	0.00	0.18	0.00		0.25	
Transect 2	0.20	Transect 6	0.00		0.00	
Substrate:	0.25	Substrate:	0.00		0.10	
cobble	0.25	cobble	0.00		0.10	
Water Clarity:	0.25	Water Clarity:	0.00		0.15	
clear	0.30	clear	0.00		0.20	
Channel Feature:	0.30	Channel Feature:	0.00		0.20	
run	0.20	run	0.00		0.20	
Channel Width:	0.20	Channel Width:	0.00		0.20	
5.00	0.00	6.00	0.00		0.10	
0.23	0.00	0.00	0.00		0.05	
Transect 3	0.05	Transect 7	0.05	Transect 11	0.00	
Substrate:	0.10	Substrate:	0.25	Substrate:	0.05	
cobble	0.15	cobble	0.25	cobble/gravel	0.05	
Water Clarity:	0.30	Water Clarity:	0.35		0.00	
clear	0.35	clear	0.40	clear	0.00	
Channel Feature:	0.35	Channel Feature:	0.35	Channel Feature:	0.00	
run	0.35	run	0.35	run	0.00	
Channel Width:	0.20	Channel Width:	0.35	Channel Width:	0.00	
5.00	0.10	6.00	0.30	5.00	0.00	
0.18	0.05	0.33	0.10	0.00	0.00	
Transect 4	0.05	Transect 8	0.05			
Substrate:	0.10	Substrate:	0.40			
cobble	0.20	cobble	0.30		Site Median	Site Maximum
Water Clarity:	0.20	Water Clarity:	0.40		0.15	0.5
clear	0.15	clear	0.25			
Channel Feature:	0.10	Channel Feature:	0.20			
run	0.00	run	0.20			
Channel Width:	0.05	Channel Width:	0.20			
5.00	0.05	8.00	0.20			
0.10	0.10	0.20	0.10			

	Fi	eld Data S	heets for	Recreation	al Use St	ream Surve	eys
				3 - Site Cha			
		(n	nust be co	ompleted fo	or each si	te)	
WBID	1247						
Site #	3						
Date and T	īme:	8.21.07		4:00 PM			
Current We	eather Cond	ditions	clear				
Weather C	onditions fo	or Past 10 c	days:	0.3 inches	was maxi	mum rainfall	
Drought Co	onditions?	No					
Site Locati	on (e.g. roa	ad crossing))	East Bran	ch Road		
GPS Mark	:	47					
Upstream I	⊃hoto	36		Downstrea	m Photo	37	
Uses Obse	rved (Use	s actually	observed	at time of	survey) Ci	rcle	
Swimming		Skin Diving)	SCUBA di	ving	Tubing	
Water Skiii	ng	Wind Surfi	ng	Kayaking		Boating	
Wading		Rafting		Hunting		Trapping	
Fishing		None of th	ne Above		Other		
Surroundi	ng Condit	ions					
	_						
City/county	/ parks	Playground	ds	MDC cons	ervation la	nds	Urban areas
Campgrour	nds	Boating ac	cesses	State park	S	National F	orests
Nature trail	s	Stairs/walk	kway	No trespas	s sign	Fence	
Steep slop	es	None of the	e Above		<u>Other</u>	Farmland	and pasture
Indication	s of Huma	n Use					
Roads		Rope swing	gs	Foot paths	/prints	Dock/platfe	orm
Livestock V	Vatering	RV/ATV Tr	acks	Camping S	Sites	Fire pit/ring	g
NPDES Dis	scharge	Fishing Ta	ckle	Other:			

WBID#	1247		Site #	3					
Mark #	47		Dissolved	Oxygen (p	opm)	10.2			
	Views Ph	ysical Dim				present at this	s view?	у	
				If so, is the	ere an ob	vious current?	>	n	
		llowing ch		tures:					
	% of Chan	nel Feature							
Riffle									
Run		100							
Pool									
D	\/!	Di	\	la the			.:0		
pownstrea	am View's	Physical [imension	is there an	y water p	present at this	view?	У	
				If a c is the	oro on at	MOUG OUR))	n	
				II SO, IS THE	ere an ob	vious current?	•	n	
						+		-	
								+	
								-	
		1		I					1
Substrate									
Substrate:									
		50% Grave	al	% Sand		50% Silt			
		50% Grave	<u> </u>	% Sand		50% Silt			
% Cobble	ıV			% Sand		50% Silt			
% Cobble	у	50% Grave		% Sand		50% Silt			
Substrate: % Cobble % Mud/Cla Aquatic Ve		% Bedrock	ζ		r algal g		a sse ssm	ent site)	
% Cobble % Mud/Cla		% Bedrock	ζ		algal g	50% Silt	a sse ssm	ent site)	
% Cobble % Mud/Cla		% Bedrock	ζ		r algal g		a sse ssm	ent site)	
% Cobble % Mud/Cla		% Bedrock	ζ		r algal g		a sse ssm	ent site)	
% Cobble % Mud/Cla		% Bedrock	ζ		algal g		a sse ssm	ent site)	
% Cobble % Mud/Cla		% Bedrock	ζ		algal g		a sse ssm	ent site)	
% Cobble % Mud/Cla		% Bedrock	ζ		r algal g		a sse ssm	ent site)	
% Cobble % Mud/Cla		% Bedrock	ζ		algal g		a sse ssm	ent site)	
% Cobble % Mud/Cla Aquatic Ve	egetation:	% Bedrock	ζ	getation or	algal g		a sse ssm	ent site)	
% Cobble % Mud/Cla	egetation:	% Bedrock	ζ	getation or	r algal g		a sse ssm	ent site)	
% Cobble % Mud/Cla Aquatic Vo	egetation:	% Bedrock	ount of veç	getation or		rowth at the	a sse ssm	ent site)	
% Cobble % Mud/Cla Aquatic Vo	egetation:	% Bedrock	ζ	getation or			a sse ssm	ent site)	
% Cobble % Mud/Cla Aquatic Vo	egetation:	% Bedrock (Note amo	ount of veg	none Chemical	None	rowth at the			
% Cobble % Mud/Cla Aquatic Vo	egetation:	% Bedrock	ount of veç	getation or		rowth at the		ent site)	
% Cobble % Mud/Cla Aquatic Vo Water Cha Odor Color	egetation:	% Bedrock (Note amo	Musky Green	none Chemical Gray	None Milky	Other			
% Cobble % Mud/Cla Aquatic Ve	egetation:	% Bedrock (Note amo	ount of veg	none Chemical	None Milky	rowth at the			
% Cobble % Mud/Cla Aquatic Vo Water Cha Odor Color Bottom De	egetation:	% Bedrock (Note amo	Musky Green Solids	none Chemical Gray Fine Sed.	None Milky	Other Other Other			
% Cobble % Mud/Cla Aquatic Vo Water Cha Odor Color	egetation:	% Bedrock (Note amo	Musky Green	none Chemical Gray	None Milky	Other			

		ross-Sectional Depth		(101 estimation of II	caian aepui)	
0:4-# 0	,	an Depth Shown in	Bola)	WDID # 4047		
Site # 3		Mark # 47		WBID # 1247		
	Depth (m)		Depth (m)		Depth (m)	
Transect 1	0.00	Transect 5	0.10	Transect 9	- 	
	0.00				0.35	
Substrate:		Substrate:	0.40		0.30	
gravel/silt	0.40	gravel/silt	0.60			
Water Clarity:	0.40	Water Clarity:	0.75	,	0.95	
none	1.00	none	0.80	none	1.00	
Channel Feature:	1.00	Channel Feature:	0.75		1.00	
run	1.00	run	0.65		1.00	
Channel Width:	1.00	Channel Width:	0.60		1.00	
10.00	1.00	8.00	0.60		1.00	
1.00	1.00	0.60	0.25	1.00	1.00	
Transect 2	0.10	Transect 6	0.05		0.05	
Substrate:	0.30	Substrate:	0.35	Substrate:	0.30	
gravel/silt	0.45	gravel/silt	0.45	gravel/silt	0.80	
Water Clarity:	0.55	Water Clarity:	0.40	Water Clarity:	1.00	
none	0.90	none	0.25	none	1.00	
Channel Feature:	1.00	Channel Feature:	0.20	Channel Feature:	1.00	
run	1.00	run	0.20	run	1.00	
Channel Width:	1.00	Channel Width:	0.30	Channel Width:	1.00	
8.00	1.00	10.00	0.20	7.00	1.00	
0.95	1.00	0.23	0.10	1.00	1.00	
Transect 3	0.10	Transect 7	0.05	Transect 11	0.05	
Substrate:	0.45	Substrate:	0.10	Substrate:	0.40	
gravel/silt	0.75	gravel/silt	0.20	gravel/silt	0.70	
Water Clarity:	1.00	Water Clarity:	0.10	Water Clarity:	1.00	
none	1.00	none	0.15	none	1.00	
Channel Feature:	1.00	Channel Feature:	0.20	Channel Feature:	1.00	
run	1.00	run	0.25	run	1.00	
Channel Width:	1.00	Channel Width:	0.50	Channel Width:	1.00	
8.00	1.00	10.00	0.40	7.00		
1.00	1.00	0.20	0.25		1.00	
Transect 4	0.10	Transect 8	0.05			
Substrate:	0.50	Substrate:	0.20		Site Median	Site Maximum
gravel/silt	0.60	gravel/silt	0.30		0.75	1.00
Water Clarity:	0.80	Water Clarity:	0.35		0.13	1.00
	0.70		0.55			
none Channel Feature:	1.00	none Channel Feature:	0.80			
	1.00					
run		run Chammal Width:	1.00			
Channel Width:	1.00	Channel Width:	1.00			
9.00	1.00	8.00	1.00			
0.90	1.00	0.68	1.00			

F	ield Data Sheets for	Recreational Us B - Site Characte		eys
		completed for ea		
	(
WBID 124				
Site #	4			
Date and Time:	8.21.07	5:00 PM		
Date and Time.	0.21.07	3.001101		
Current Weather Cor	nditions cloudy			
Weather Conditions	for Past 10 days:	0.3 inches was	maximum rainfal	
Drought Conditions?	No			
Broagni Gonationo.	110			
Site Location (e.g. ro	oad crossing)	upstream of site	e #3	
GPS Mark:	48			
Upstream Photo	38	Downstream Ph	noto 39	
- 1.010				
Uses Observed (Use	es actually observed	l at time of surve	y) Circle	
Swimming	Skin Diving	SCUBA diving	Tubing	
Water Skiing	Wind Surfing	Kayaking	Boating	
Trater Chang	Trina Caring	rayaning	Dodning	
Wading	Rafting	Hunting	Trapping	
Fishing	None of the Above	Othe	er	
Surrounding Condi	tions			
City/county parks	Playgrounds	MDC conservati	ion lands	Urban areas
Campgrounds	Boating accesses	State parks	National F	orests
Campground	Dodding dococco	Ctate paint	rationari	
Nature trails	Stairs/walkway	No trespass sig	n Fence	
		011		
Steep slopes	None of the Above	Othe	er	
Indications of Hum	an Use			
_				
Roads	Rope swings	Foot paths/print	s Dock/platf	orm
Livestock Watering	RV/ATV Tracks	Camping Sites	Fire pit/rin	n l
		Camping Oilos	The planting	3
NPDES Discharge	Fishing Tackle	Other:		

WBID#	1247		Site #	4				
Mark #	48		Dissolved	Oxygen (p	ppm)	11		
Upstream	Views Phy	sical Dim	ensions:	Is there ar	ny water pre	esent at this	s view?	у
				If so, is the	ere an obvio	us current?	1	n
Select on	e of the fo	llowina ch	annel feat	tures:				
		nel Feature						
Riffle	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0						
Run		64						
Pool		36						1
1 00.								
Downstre	am View's	Physical [l Dimension	Is there an	v water pre	sent at this	view?	у
DOWNStreet	um view s	i ilysioai i		io trioro ari	y water pro	Joint at timo	WOW.	J
				If so is the	ere an obvio	us current?	1	n
				11 30, 13 1110		uo curront:		11
								_
Substrate:								
00/ 0 111		0.10/ 0		0.0		0/ 01/		
9% Cobble	9	91% Grave	el	% Sand		% Silt		
% Mud/Cla	ay	% Bedrock	(
Aquatic V	egetation:	(Note amo	ount of ve	getation or	algal grov	wth at the	assessme	nt site)
			5%	trees in stre	eam.			
Water Ch	aracteristic	s						
Odor		Sewage	Musky	Chemical	None	Other		
Color		01				011		
		Clear	Green	Gray	Milky	Other		
		Clear	<u>Green</u>	Gray	Milky	Other		
Bottom De	eposit							
Bottom De	eposit	Sludge	<u>Green</u> Solids	Fine Sed.		Other		
		Sludge	Solids	Fine Sed.	None	Other		
Bottom De					None			
		Sludge	Solids	Fine Sed.	None	Other		

Data Sn				its (for estimation o	of median de	oth)
C:t- # 4	(Median Depth Shown in					
Site # 4		Mark # 48		WBID # 1247		
	Depth (m)		Depth (m)		Depth (m)	
Transect 1	0.50	Transect 5	0.00	Transect 9	· ` ` ´	
Substrate:	0.30	Substrate:	0.00		0.30	
gravel	0.10	gravel	0.13	gravel	0.30	
Water Clarity:	0.15	Water Clarity:	0.20	Water Clarity:	0.40	
clear	0.13	clear	0.10	none		
Channel Feature:	0.00	Channel Feature:	0.25	Channel Feature:	0.40	
	0.00		0.23			
pool		run		run		
Channel Width:	0.25	Channel Width:	0.40	Channel Width:	0.35	
13.00	0.30	6.00	0.20	9.00		
0.15	0.15	0.20	0.05	0.33		
Transect 2	0.00	Transect 6	0.10	Transect 10		
Substrate:	0.00	Substrate:	0.20	Substrate:	0.40	
gravel	0.00	cobble/gravel	0.25	gravel		
Water Clarity:	0.00	Water Clarity:	0.50	Water Clarity:	0.35	
N/A	0.00	none	0.65	none	0.30	
Channel Feature:	0.00	Channel Feature:	0.60	Channel Feature:	0.30	
pool	0.00	run	0.70	run	0.30	
Channel Width:	0.00	Channel Width:	0.50	Channel Width:	0.30	
14.00	0.00	8.00	0.30	17.00	0.25	
0.00	0.00	0.40	0.10	0.30	0.10	
Transect 3	0.10	Transect 7	0.10	Transect 11	0.05	
Substrate:	0.20	Substrate:	0.55	Substrate:	0.15	
gravel	0.00	cobble/gravel	0.65	gravel	0.30	
Water Clarity:	0.00	Water Clarity:	0.75	Water Clarity:	0.40	
clear	0.05	none	0.85	none	0.50	
Channel Feature:	0.25	Channel Feature:	0.65	Channel Feature:	0.55	
pool	0.45	run	0.35	run	0.60	
Channel Width:	0.35	Channel Width:	0.30	Channel Width:	0.55	
21.00	0.10	8.00	0.15	12.00	0.40	
0.10	0.00	0.45	0.10	0.40	0.15	
Transect 4	0.05	Transect 8	0.10			
Substrate:	0.10	Substrate:	0.30		Site Median	Site Maximun
gravel	0.20	gravel	0.20		0.25	0.85
Water Clarity:	0.25	Water Clarity:	0.30			
clear	0.25	none	0.50			
Channel Feature:	0.20	Channel Feature:	0.25			
pool	0.25	run	0.65			
Channel Width:	0.15	Channel Width:	0.45			
3.00	0.50	10.00	0.30			
0.20	0.05	0.30	0.15			

WBID# 1247



Site# 1 Photo ID# 32, Upstream



Site# 2 Photo ID# 33, Upstream



Site# 1 Photo ID# 31, Downstream



Site# 2 Photo ID# 34, Downstream

WBID# 1247



Site# 2 Photo ID# 35, Livestock watering



Site# 3 Photo ID# 37, Downstream



Site# 3 Photo ID# 36, Upstream



Site# 4 Photo ID# 38, Upstream

WBID# 1247



Site# 4 Photo ID# 39, Downstream